



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/759,832

DATE: 08/03/2004  
TIME: 14:08:07

Input Set : A:\1102865-0059CIP.ST25.txt  
Output Set: N:\CRF4\08032004\J759832.raw

3 <110> APPLICANT: Aphanton Corporation  
5 <120> TITLE OF INVENTION: Liposomal Vaccine  
7 <130> FILE REFERENCE: 1102865-0059CIP  
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/759,832  
C--> 9 <141> CURRENT FILING DATE: 2004-01-15  
9 <150> PRIOR APPLICATION NUMBER: 60/394,179  
10 <151> PRIOR FILING DATE: 2002-07-03  
12 <150> PRIOR APPLICATION NUMBER: 10/613,377  
13 <151> PRIOR FILING DATE: 2003-07-03  
15 <160> NUMBER OF SEQ ID NOS: 20  
17 <170> SOFTWARE: PatentIn version 3.2  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 17  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Homo sapiens  
25 <220> FEATURE:  
26 <221> NAME/KEY: MOD\_RES  
27 <222> LOCATION: (1)..(1)  
28 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
30 <400> SEQUENCE: 1  
32 Glu Gly Pro Trp Leu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp  
33 1 5 10 15  
36 Phe  
40 <210> SEQ ID NO: 2  
41 <211> LENGTH: 18  
42 <212> TYPE: PRT  
43 <213> ORGANISM: Homo sapiens  
46 <220> FEATURE:  
47 <221> NAME/KEY: MOD\_RES  
48 <222> LOCATION: (1)..(1)  
49 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
51 <400> SEQUENCE: 2  
53 Glu Gly Pro Trp Leu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp  
54 1 5 10 15  
57 Phe Gly  
61 <210> SEQ ID NO: 3  
62 <211> LENGTH: 5  
63 <212> TYPE: PRT  
64 <213> ORGANISM: Artificial  
66 <220> FEATURE:  
67 <223> OTHER INFORMATION: synthetic  
70 <220> FEATURE:  
71 <221> NAME/KEY: MOD\_RES



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72 <222> LOCATION: (1)..(1)  
73 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
75 <400> SEQUENCE: 3  
77 Glu Gly Pro Trp Leu  
78 1 5  
81 <210> SEQ ID NO: 4  
82 <211> LENGTH: 6  
83 <212> TYPE: PRT  
84 <213> ORGANISM: artificial  
86 <220> FEATURE:  
87 <223> OTHER INFORMATION: synthetic  
90 <220> FEATURE:  
91 <221> NAME/KEY: MOD\_RES  
92 <222> LOCATION: (1)..(1)  
93 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
95 <400> SEQUENCE: 4  
97 Glu Gly Pro Trp Leu Glu  
98 1 5  
101 <210> SEQ ID NO: 5  
102 <211> LENGTH: 7  
103 <212> TYPE: PRT  
104 <213> ORGANISM: Artificial  
106 <220> FEATURE:  
107 <223> OTHER INFORMATION: synthetic  
110 <220> FEATURE:  
111 <221> NAME/KEY: MOD\_RES  
112 <222> LOCATION: (1)..(1)  
113 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
115 <400> SEQUENCE: 5  
117 Glu Gly Pro Trp Leu Glu Glu.  
118 1 5  
121 <210> SEQ ID NO: 6  
122 <211> LENGTH: 8  
123 <212> TYPE: PRT  
124 <213> ORGANISM: Artificial  
126 <220> FEATURE:  
127 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 1-8 of human  
gastrin 17  
128 linked to spacer peptide  
131 <220> FEATURE:  
132 <221> NAME/KEY: MOD\_RES  
133 <222> LOCATION: (1)..(1)  
134 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
136 <400> SEQUENCE: 6  
138 Glu Gly Pro Trp Leu Glu Glu Glu  
139 1 5  
142 <210> SEQ ID NO: 7  
143 <211> LENGTH: 9  
144 <212> TYPE: PRT  
145 <213> ORGANISM: Artificial

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147 <220> FEATURE:  
148 <223> OTHER INFORMATION: synthetic  
151 <220> FEATURE:  
152 <221> NAME/KEY: MOD\_RES  
153 <222> LOCATION: (1)..(1)  
154 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
156 <400> SEQUENCE: 7  
158 Glu Gly Pro Trp Leu Glu Glu Glu  
159 1 5  
162 <210> SEQ ID NO: 8  
163 <211> LENGTH: 10  
164 <212> TYPE: PRT  
165 <213> ORGANISM: Artificial  
167 <220> FEATURE:  
168 <223> OTHER INFORMATION: synthetic  
171 <220> FEATURE:  
172 <221> NAME/KEY: MOD\_RES  
173 <222> LOCATION: (1)..(1)  
174 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
176 <400> SEQUENCE: 8  
178 Glu Gly Pro Trp Leu Glu Glu Glu Glu  
179 1 5 10  
182 <210> SEQ ID NO: 9  
183 <211> LENGTH: 6  
184 <212> TYPE: PRT  
185 <213> ORGANISM: Artificial  
187 <220> FEATURE:  
188 <223> OTHER INFORMATION: synthetic peptide spacer  
190 <400> SEQUENCE: 9  
192 Arg Pro Pro Pro Pro Cys  
193 1 5  
196 <210> SEQ ID NO: 10  
197 <211> LENGTH: 7  
198 <212> TYPE: PRT  
199 <213> ORGANISM: Artificial  
201 <220> FEATURE:  
202 <223> OTHER INFORMATION: synthetic peptide spacer  
204 <400> SEQUENCE: 10  
206 Ser Ser Pro Pro Pro Pro Cys  
207 1 5  
210 <210> SEQ ID NO: 11  
211 <211> LENGTH: 8  
212 <212> TYPE: PRT  
213 <213> ORGANISM: Artificial  
215 <220> FEATURE:  
216 <223> OTHER INFORMATION: synthetic peptide spacer  
218 <400> SEQUENCE: 11  
220 Ser Pro Pro Pro Pro Pro Pro Cys  
221 1 5

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Input Set : A:\1102865-0059CIP.ST25.txt  
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224 <210> SEQ ID NO: 12  
 225 <211> LENGTH: 22  
 226 <212> TYPE: PRT  
 227 <213> ORGANISM: Artificial  
 229 <220> FEATURE:  
 230 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 1-6 of human  
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 231 linked to a spacer peptide  
 234 <220> FEATURE:  
 235 <221> NAME/KEY: MOD\_RES  
 236 <222> LOCATION: (1)..(1)  
 237 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
 239 <400> SEQUENCE: 12  
 241 Glu Leu Gly Pro Glu Gly Pro Pro His Leu Val Ala Asp Pro Ser Lys  
 242 1 5 10 15  
 245 Lys Glu Gly Pro Trp Leu  
 246 20  
 249 <210> SEQ ID NO: 13  
 250 <211> LENGTH: 13  
 251 <212> TYPE: PRT  
 252 <213> ORGANISM: Artificial  
 254 <220> FEATURE:  
 255 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 1-6 of human  
 gastrin 34  
 256 linked to a spacer peptide  
 259 <220> FEATURE:  
 260 <221> NAME/KEY: MOD\_RES  
 261 <222> LOCATION: (1)..(1)  
 262 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
 264 <400> SEQUENCE: 13  
 266 Glu Leu Gly Pro Glu Gly Ser Ser Pro Pro Pro Pro Cys  
 267 1 5 10  
 270 <210> SEQ ID NO: 14  
 271 <211> LENGTH: 13  
 272 <212> TYPE: PRT  
 273 <213> ORGANISM: Homo sapiens  
 275 <400> SEQUENCE: 14  
 277 Cys Pro Pro Pro Pro Ser Ser Glu Leu Gly Pro Glu Gly  
 278 1 5 10  
 281 <210> SEQ ID NO: 15  
 282 <211> LENGTH: 9  
 283 <212> TYPE: PRT  
 284 <213> ORGANISM: Artificial  
 286 <220> FEATURE:  
 287 <223> OTHER INFORMATION: synthetic  
 290 <220> FEATURE:  
 291 <221> NAME/KEY: MOD\_RES  
 292 <222> LOCATION: (1)..(1)  
 293 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID  
 295 <400> SEQUENCE: 15  
 297 Glu His Trp Ser Tyr Gly Leu Arg Pro

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Input Set : A:\1102865-0059CIP.ST25.txt  
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298 1 5  
301 <210> SEQ ID NO: 16  
302 <211> LENGTH: 35  
303 <212> TYPE: PRT  
304 <213> ORGANISM: Artificial  
306 <220> FEATURE:  
307 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 138-145 of human  
308 chorionic gonadotrophin hormone linked to a spacer peptide  
310 <300> PUBLICATION INFORMATION:  
311 <302> TITLE: Antigenic Modification of Polypeptides  
312 <310> PATENT DOC NO: U.S. 4,767,842  
313 <312> PUBLICATION DATE: 1988-08-30  
315 <400> SEQUENCE: 16  
317 Asp Asp Pro Arg Thr Glu Asp Ser Ser Ser Lys Ala Pro Pro Pro  
318 1 5 10 15  
321 Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile  
322 20 25 30  
325 Leu Pro Gln  
326 35  
329 <210> SEQ ID NO: 17  
330 <211> LENGTH: 16  
331 <212> TYPE: PRT  
332 <213> ORGANISM: Artificial  
334 <220> FEATURE:  
335 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence of human gastrin 17  
336 linked to a spacer peptide  
338 <400> SEQUENCE: 17  
340 Glu Ser Asp Thr Pro Ile Pro Gln Ser Pro Pro Pro Pro Pro Cys  
341 1 5 10 15  
344 <210> SEQ ID NO: 18  
345 <211> LENGTH: 17  
346 <212> TYPE: PRT  
347 <213> ORGANISM: Artificial  
349 <220> FEATURE:  
350 <223> OTHER INFORMATION: synthetic peptide of GnRH amino acid sequence linked to a  
spacer  
351 peptide  
353 <400> SEQUENCE: 18  
355 Glu Gly Pro Trp Leu Glu Glu Glu Glu Ser Ser Pro Pro Pro  
356 1 5 10 15  
359 Cys  
363 <210> SEQ ID NO: 19  
364 <211> LENGTH: 17  
365 <212> TYPE: PRT  
366 <213> ORGANISM: Artificial  
368 <220> FEATURE:  
369 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 138-145 of human  
370 chorionic gonadotrophin hormone linked to a spacer peptide  
373 <220> FEATURE:  
374 <221> NAME/KEY: MOD\_RES

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/759,832

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,15,16,17,18,19,20

**VERIFICATION SUMMARY**

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Input Set : A:\1102865-0059CIP.ST25.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date